papiNet Forest Wood Supply and Bioproducts

Use Case 6
QR-code for Delivery Message for Measuring

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2. FWS Use Case – QR-code for Delivery Message for Measuring

2.1 Overview

Forest industry plants like saw mills og pulp mills are supplied with forest wood products from various sources. Theese products are transported to the plants by trucks. The selling process, the transport planning and transport booking process, and the transport instruction process are left outside of this use case.

Upon loading the truck driver uses a mobile device to issue a **Delivery Message**. This e-document is intended for the business partners, but some portion of the information is required for the measuring process carried out on arrival at the mill gate. A **QR-Code** is generated on the mobile device based on the information in the Delivery Message.

Upon arrival the truck driver presents the QR-code. The ID of the delivery and other important information are then updated in the receiver's measuring system.

2.2 QR-code

The QR-code derived from the **Delivery Message** is the type **QR_DMM** (Delivery Message for Measuring).

An example of the QR-code:

papiNet e-Document	QR Code content

`<?xml version="1.0" encoding="UTF-8"?>`
`<QR Ag="SD"`
`xsi:schemaLocation="http://www.papinet.org/QR/v1r00`
`QR_V1R00.xsd" xmlns="http://www.papinet.org/QR/v1r00"`
`xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">`
`    <ID>DM2013-08-21-001</ID>`
`    <DT>2013-08-21T09:30:47+02:00</DT>`
`    <Iss>12345</Iss>`
`    <DMM>`
`        <Buy>22345</Buy>`
`        <Sup>32345</Sup>`
`        <Origin>123</Origin>`
`        <Dest>223</Dest>`
`        <MIN>MIN1234</MIN>`
`        <ON>ON2234</ON>`
`        <URL>www.sd.no</URL>`
`        <L>`
`            <Prod>1020</Prod>`
`            <Qty UM="m3">45.5</Qty>`
`        </L>`
`    </DMM>`
`</QR>`
	`<QR Ag="SD">`
	`<ID>DM2013-08-21-001</ID>`
	`<DT>2013-08-21T09:30:47+02:00</DT>`
	`<Iss>12345</Iss>`
	`<DMM>`
	`<Buy>22345</Buy>`
	`<Sup>32345</Sup>`
	`<Origin>123</Origin>`
	`<Dest>223</Dest>`
	`<MIN>MIN1234</MIN>`
	`<ON>ON2234</ON>`
	`<URL>www.sd.no</URL>`
	`<L>`
	`<Prod>1020</Prod>`
	`<Qty UM="m3">45.5</Qty>`
	`</L>`
	`</DMM>`
	`</QR>`